			Sheet <u>1</u> of <u>2</u>
Substitute Form PTO-1449	U.S. Department of Commerce	Attorney's Docket No.	Application No.
(Modified)	Patent and Trademark Office		10/043,812
Information Di	sclosure Statement 1 5 2002	Applicant	
t by f	innlicant 124	Neo, et al.	
(Use several:	sheets if necessary) ADEMARK	Filing Date	Group Art Unit
(37 CFR §1.98(b))	ADEMAN	January 10, 2002	

	U.S. Patent Documents								
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate		
56	AA	5 925 980	Jul 20, 1999	So et al.					
SK	AB	5 853 905	Dec 29, 1998	So et al.			·		
SK	AC	6 130 001	Oct 10, 2000	Shi et al.					
SZC	AD	5 271 089	Dec 14, 1993	Ozawa					
5/	AE	6 285 039	Sep 4, 2001	Kobori et al.					

	Foreign Patent Documents or Published Foreign Patent Applications										
Examiner	Desig.	Document	Publication	Country or			Trans	slation			
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No			
CIC	AF	1 065 737	Jan 3, 2001	EPO							
5)(	AG	10-233288	Sep 2, 1998	Japan			Full				
5X_	AH	2001-52870	Feb 23, 2001	Japan			Full				

	Other Documents (include Author, Title, Date, and Place of Publication)							
Examiner Initial	Desig. ID	Document						
SY	AI	Tang et al. "Organic electroluminescent diodes." Applied Physics Letters 51(12): 1987. p. 913-915.						
57	AJ	Kijima et al. "A blue organic light emitting diode." Jpn. J. Appl. Phys. 38: 1999. p. 5274-5277.						
SL	AK	C. Adachi et al. "Electroluminescence in organic films with three-layer structure." Jpn. J. Appl. Phys. 27(2): 1988. p. L269-L271.						
5K	AL	C.W. Tang et al. "Electroluminescence of doped organic thin films." J. Appl. Phys. 65(9): 1989. p. 3610-3616.						
SK	AM	"New Aspect of Research and Development of Organic EL." M&BE Seminar, Bulletin of Organic Molecular/Bioelectronics Subcommittee, Society of Applied Physics, 11(1): 2000. p. 3-12.						
SL	AN	T. Wakimoto et al. "Organic EL cells using alkaline metal compounds as electron injection materials." IEEE Transactions on Electron Devices 44(8): 1997. p. 1245-1248.						
SK	AO	S.A. Van Slyke et al. "Organic electroluminescent devices with improved stability." Appl. Phys. Lett. 69(15): 1996. p. 2160-2162.						
514	АP	D.F. O'Brien et al. "Improved energy transfer in electrophosphorescent devices." Appl. Phys. Lett. 74(3): 1999. p. 442-444.						
SIL	AQ	T. Tsutsui et al. "High quantum efficiency in organic light-emitting devices with iridium-complex as a triplet emissive center." Jpn. J. Appl. Phys. 38: 1999. p. L1502-L1504.						
SK	AR	T. Tsutsui et al. "The operation mechanism and the light emission efficiency of the organic EL element." Text of the Third Lecture Meeting, Bulletin of Organic Molecular/Bioelectronics Subcommittee, Society of Applied Physics, p. 31-37.						
50	AS	J. Kido et al. "Multilayer white light-emitting organic electroluminescent device." Science 367: 1995. p. 1332-1334.						

EXAMINER: Initials distion considered. Draw line/through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

Sheet	2	of	2

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Transmark Otto	Attorney's Docket No. 07977-292001	Application No. 10/043,812
by Apr	plicant JUL 1 5 2002	Applicant Seo, et al.	
(Use several she	TC. AM	Filling Date January 10, 2002	Group Art Unit

	Other Documents (include Author, Title, Date, and Place of Publication)						
Examiner Initial	or Desig.   Document						
SK	AT	Satoshi Seo et al., U.S. patent application serial no. 10/043,786, filed January 10, 2002					
SK	AU	Satoshi Seo et al., U.S. patent application serial no. 10/060,427, filed January 29, 2002					
SK	AV	Shunpei Yamazaki et al., U.S. patent application serial no. 10/062,005, filed January 31, 2002					
SK	AW	Satoshi Seo et al., U.S. patent application serial no. 10/072,507, filed February 5, 2002					
SC	AX	Shunpei Yamazaki et al., U.S. patent application serial no. 10/072,310, filed February 5, 2002					
SK	AY	Shunpei Yamazaki et al., U.S. patent application serial no. 10/081,971, filed February 20, 2002					
SK	AZ	Satoshi Seo et al., U.S. patent application serial no. 10/081,558, filed February 20, 2002					
SIC	AAA	Hirokazu Yamagata et al., U.S. patent application serial no. 09/852,090, filed May 10, 2001.					
SK	ABB	Satoshi Seo et al., U.S. patent application scrial no. 10/026,064, filed December 21, 2001.					
SK	ACC	Satoshi Seo et al., U.S. patent application serial no. 10/024,699, filed December 21, 2001.					
	ADD						

	Examiner Signature Summet K.	Date Considered 10/14/03
I	EXAMINER: Initials citation considered. Draw line through citation if no next communication to applicant.	
		Substitute Disclosure Form (PTO-1449)

61P	٢ ي	18	Oupy of Papers
SEP 1	1 2002		ORIGINALLY FILED

Sheet	_1_	of	_1

		SEP 11	2002			Sheet 1 of 1
	Substitute Form PTC (Modified)	1449 A/FAT	U.S. D.	epartment of Commerce nt and Trademark Office	Attomey's Docket No. 07977-292001	Application No. 10/043,812
	Inform	ation Disc	losure S plicant	tatement	Applicant Seo, et al.	
	·	se several she	ets if nece	ssary)	Filing Date	Group Art Unit
Į	(37 CFR §1.98(b))				January 10, 2002	 

	U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate	
	AA				<u> </u>			
	AB							
	AC							
	AD							

	Foreign	Patent Doc	uments or Pu	blished Foreign	Patent A	Application	าร	
Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	AE							
	AF					-		
	AG							_
	AH							
	AI							

(	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig. ID	Document
	AJ	
	AK	
	AL	
	AM	
	ÁN	
	AO	
	AP	
	AQ	
	AR	
56	AS	J. Kido et al. "Multilayer white light-emitting organic electroluminescent device." Science 267: 1995. p. 1332-1334

Examiner Signature	Date Considered 10/14/03
EXAMINER: Initials citation considered. Draw line through citation if not next communication to applicant.	in conformance and not considered. Include copy of this form with

Substitute Disclosure Form (PTO-1449)

Sheet	1	of	1

				Sheet 1 of 1		
0	Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07977-292001	Application No. 10/043,812		
44	Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Seo, et al.			
70	(Use several she	ets if necessary)	Filing Date January 10, 2002	Group Art Unit		

			U.S. Pate	ent Documents			
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
SK	AA	5 719 467	Feb 17, 1998	Antoniadis et al.			
	AB						
	AC						
	AD					71	
	AE					₹£CH <sub>IPO</sub>	72
	AF					i.	ا يور سا
	AG						F 33 12 1
	AH						CENTED ED
	AI						ER I
	AJ						2800
	AK						0

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Trans Yes	lation No
	AL							
	AM	***************************************		2.2				
	AN							
	AO			,				***
	AP							

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature	Date Considered
Junable	16/14/03
EXAMINER: Initials citation considered. Draw line through citation if no	t in conformance and not considered. Include copy of this form with
next communication to applicant	••

Sheet	1 of 1	
DITOUL	1 01 1	

Application No.

Substitute Disclosure Form (PTO-1449)

(Meange St		Pate	ent and Trademark Offic	∞ 0797 <b>7-</b> 292001		10/043,81	2		
1 1 2003	formatio	Pate on Disclosure S by Applicant	Statement	Applicant Seo, et al.					
	(Use se	veral sheets if nece	ssary)	Filing Date Group Art Unit					
(37 CFR 4).9	8(b))			January 10, 200	)2	2879	·		
MIR IND	<del></del>		U.S. Pate	nt Documents					
Examiner	Desig.	Document	Publication			·		Dat	
Initial	10	Number	Date	Patentee	Class	Subclass	If App	ropria	
	AA						<u> </u>		
	AB	1					<u> </u>		
	AC								
	AD								
	AE								
	AF					Ç	- 1	77	
	AG					5	1 50	Ç.)	
	AH						; ω		
	AI						1 23		
	AJ						1001		
	AK						3		
				blished Foreign	Patent /	Application			
Examiner Initial	Desig.	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Trans Yes	slatio No	
SK	AL	243470	03/21/95	TW			ABS		
	AM								
	AN								
	AO								
	AP								
		ocuments (i	nclude Author	, Title, Date, and	Place o	r Publicati	on)		
Examiner Initial	Desig. ID	1		Document					
	AQ								
					<del></del>				
	AR								
	AR AS				<del></del>	<del></del>			

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Department of Commerce Attorney's Docket No.

Substitute Form PTO-1449

Examiner Signature